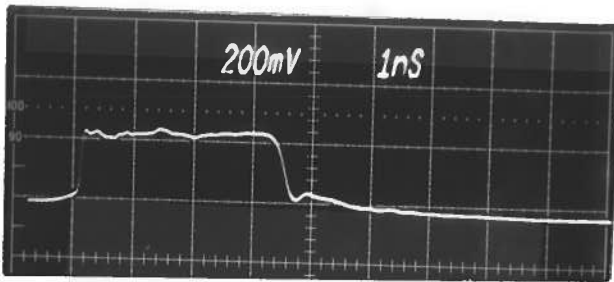


PULSE GENERATOR
PERFORMANCE CHECK

Model: AVP-25-P-OS-ECL

S.N.: 6123

Date: DEC 16 1991



a) Output signal amplitude:
0 TO +2 VOLTS

b) Pulse width:
0.2 TO 4 NS

c) Rise time:
 ≤ 40 PS

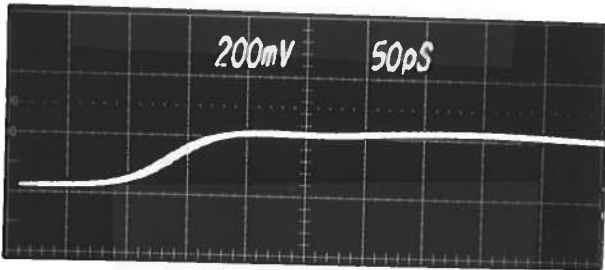
d) Fall time:
 ≤ 135 PS

e) PRF:
0 TO 1.0 mA

f) Jitter, stability:
OK

g) Prime power:
+15 VOLTS
300 mA (max)

A) 20 db ATTEN
 \therefore 2 VOLTS/DIV
PRF = 1.0 MHz



B) AS A) BUT 50 PS/DIV
(RISE TIME)

$$T_{RT} = \sqrt{T_{R2S}^2 + T_{SCOPE}^2 + T_{ATTEN}^2}$$

$$\approx 50 \text{ PS (20-80\%)}$$

$$T_{SCOPE} = 25 \text{ PS}$$

18 GHz ATTEN + CABLES

\therefore CONCL THAT
 $T_{R2S} \leq 40 \text{ PS}$